

# WEST Search History

DATE: Wednesday, March 26, 2003

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set</u> <u>Name</u> result set
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
L7	(bacteria or fungus or microb\$4 or microorganism\$3)	128965	L7
L6	((glutaramat\$3 or glutaramic ) and (bacteria or fungus or microb\$4 or microorganism\$3 ))	18	L6
L5	((((glutaramat\$3 or glutaramic )and (enzym\$5 or biocatalyst or bioconver\$4 or biotransform\$5 )not ((glutaramat\$3 or glutaramic )and (bacteria or fungus or microb\$4 or microorganism\$3 ))) and (glutamine ))	17	L5
L4	((Proteus or providencia ) same (glutamine ))	18	L4
L3	l1 same L2	18	L3
L2	glutamine	22865	L2
L1	Proteus or providencia	5935	L1

END OF SEARCH HISTORY

L2 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2003 ACS  
RN 29261-85-6 REGISTRY  
CN D-Glucose, 2-amino-2-deoxy-, 5-amino-2,5-dioxopentanoate (salt) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

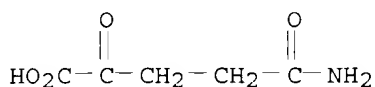
CN **D-Glucose, 2-amino-2-deoxy-, mono(2-oxoglutaramate) (salt) (8CI)**  
CN Glutaramic acid, 2-oxo-, compd. with 2-amino-2-deoxy-D-glucose (1:1) (8CI)  
CN Pentanoic acid, 5-amino-2,5-dioxo-, compd. with 2-amino-2-deoxy-D-glucose (1:1) (9CI)

OTHER NAMES:

CN **Monoglucosamine 2-oxoglutaramate**  
FS STEREOSEARCH  
MF C6 H13 N O5 . C5 H7 N O4  
LC STN Files: CA, CAPLUS

CM 1

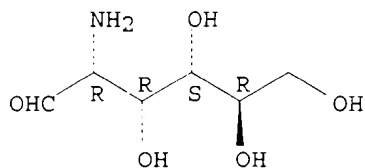
CRN 18465-19-5  
CMF C5 H7 N O4



CM 2

CRN 3416-24-8  
CMF C6 H13 N O5

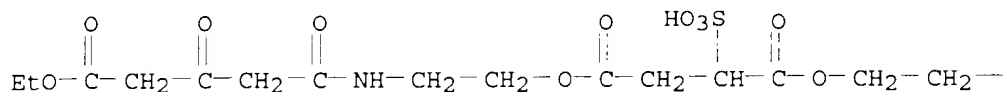
Absolute stereochemistry. Rotation (+).



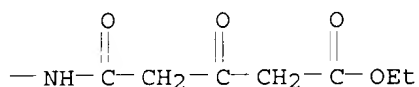
1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> d 2-4

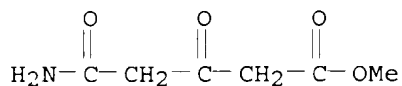
L2 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2003 ACS  
RN 25519-24-8 REGISTRY  
CN **Succinic acid, sulfo-, C,C'-diester with ethyl N-(2-hydroxyethyl)-3-oxoglutaramate, monosodium salt (8CI)** (CA INDEX NAME)  
MF C22 H32 N2 O15 S . Na



● Na



L2 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2003 ACS  
 RN 22009-09-2 REGISTRY  
 CN Pentanoic acid, 5-amino-3,5-dioxo-, methyl ester (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Glutaramic acid, 3-oxo-, methyl ester (8CI)  
 OTHER NAMES:  
 CN **Methyl 3-oxoglutaramate**  
 FS 3D CONCORD  
 MF C6 H9 N O4  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, IFICDB, IFIPAT, IFIUDB,  
 TOXCENTER, USPATFULL  
 (\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

13 REFERENCES IN FILE CA (1962 TO DATE)  
 13 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2003 ACS  
 RN 9073-53-4 REGISTRY  
 CN **Hydrolase, N-methyl-2-oxoglutaramate (9CI)** (CA INDEX NAME)  
 OTHER NAMES:  
 CN 5-Hydroxy-N-methylpyroglutamate synthase  
 CN E.C. 3.5.1.36  
 MF Unspecified  
 CI MAN  
 LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

2 REFERENCES IN FILE CA (1962 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=&gt; FIL CAPLUS BIOSIS USPATFULL WPIDS AGRICOLA

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

21.32

21.53

FILE 'CAPLUS' ENTERED AT 14:23:34 ON 10 FEB 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 14:23:34 ON 10 FEB 2003

COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'USPATFULL' ENTERED AT 14:23:34 ON 10 FEB 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'WPIDS' ENTERED AT 14:23:34 ON 10 FEB 2003

COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'AGRICOLA' ENTERED AT 14:23:34 ON 10 FEB 2003

=> d his

(FILE 'HOME' ENTERED AT 14:19:03 ON 10 FEB 2003)

FILE 'REGISTRY' ENTERED AT 14:19:14 ON 10 FEB 2003

E OXOGLUTARAMATE/CN

E HYDROXYOXOPROLINE/CN

E 2-HYDROXY-5-OXOPROLINE/CN

E OXOPROLINE/CN

L1 2 S E39

E GLUTARAMATE

E OXOGLUTARAMATE

L2 4 S E63

FILE 'CAPLUS, BIOSIS, USPATFULL, WPIDS, AGRICOLA' ENTERED AT 14:23:34 ON 10 FEB 2003

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.32

27.85

FILE 'REGISTRY' ENTERED AT 14:24:30 ON 10 FEB 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6

DICTIONARY FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e ketoglutaramic acid/cn

E73	1	KETOGLUCONATE DEHYDROGENASE/CN
E74	1	KETOGLUCONOKINASE/CN
E75	0 -->	KETOGLUTARAMIC ACID/CN
E76	1	KETOGLUTARATE SEMIALDEHYDE DEHYDROGENASE (XANTHOMONAS AXONOP ODIS CITRI STRAIN 306 GENE XAC2546)/CN
E77	1	KETOGLUTARATE SEMIALDEHYDE DEHYDROGENASE (XANTHOMONAS CAMPES TRIS CAMPESTRIS STRAIN ATCC33913 GENE XCC2410)/CN
E78	1	KETOGLUTARATE SEMIALDEHYDE DEHYDROGENASE (XANTHOMONAS CAMPES TRIS CAMPESTRIS STRAIN ATCC33913 GENE XCC3244)/CN
E79	1	KETOGLUTARATE SEMIALDEHYDE DEHYDROGENASE PROTEIN (RALSTONIA SOLANACEARUM STRAIN GMI1000 GENE RSP0827)/CN
E80	1	KETOGLUTARIC ACID IMIDE/CN
E81	1	KETOGLUTARIC DEHYDROGENASE/CN
E82	1	KETOHEPTAMETHYLENE/CN
E83	1	KETOHEXAZINE/CN
E84	1	KETOHEXOBARBITAL-2-14C/CN

=> e ketoglutaramic acid

E85	1	KETOGLUTARAM/BI
E86	1	KETOGLUTARAMIC/BI
E87	0 -->	KETOGLUTARAMIC ACID/BI
E88	126	KETOGLUTARATE/BI
E89	1	KETOGLUTARATE:FERREDOXIN/BI
E90	49	KETOGLUTARIC/BI
E91	1	KETOGLUTARTE/BI
E92	1	KETOGLYC/BI
E93	1	KETOGLYCYRRHETIC/BI
E94	2	KETOGRAYANO/BI
E95	2	KETOGRAYANOTOXIN/BI
E96	1	KETOGUAN/BI

=> e ketoglutaramate/cn

E97	1	KETOGLUCONATE DEHYDROGENASE/CN
E98	1	KETOGLUCONOKINASE/CN
E99	0 -->	KETOGLUTARAMATE/CN
E100	1	KETOGLUTARATE SEMIALDEHYDE DEHYDROGENASE (XANTHOMONAS AXONOP ODIS CITRI STRAIN 306 GENE XAC2546)/CN
E101	1	KETOGLUTARATE SEMIALDEHYDE DEHYDROGENASE (XANTHOMONAS CAMPES TRIS CAMPESTRIS STRAIN ATCC33913 GENE XCC2410)/CN
E102	1	KETOGLUTARATE SEMIALDEHYDE DEHYDROGENASE (XANTHOMONAS CAMPES TRIS CAMPESTRIS STRAIN ATCC33913 GENE XCC3244)/CN
E103	1	KETOGLUTARATE SEMIALDEHYDE DEHYDROGENASE PROTEIN (RALSTONIA SOLANACEARUM STRAIN GMI1000 GENE RSP0827)/CN
E104	1	KETOGLUTARIC ACID IMIDE/CN
E105	1	KETOGLUTARIC DEHYDROGENASE/CN
E106	1	KETOHEPTAMETHYLENE/CN
E107	1	KETOHEXAZINE/CN
E108	1	KETOHEXOBARBITAL-2-14C/CN

=> FIL CAPLUS BIOSIS USPATFULL WPIDS AGRICOLA  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
1.20	29.05

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 14:26:06 ON 10 FEB 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 14:26:06 ON 10 FEB 2003  
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'USPATFULL' ENTERED AT 14:26:06 ON 10 FEB 2003  
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'WPIDS' ENTERED AT 14:26:06 ON 10 FEB 2003  
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'AGRICOLA' ENTERED AT 14:26:06 ON 10 FEB 2003

=> s oxoproline or ketoglutaramic or ketoglutaramat? or oxoglutaramat?  
L3 603 OXOPROLINE OR KETOGLUTARAMIC OR KETOGLUTARAMAT? OR OXOGLUTARAMAT  
?

=> s proteus or providencia  
L4 35304 PROTEUS OR PROVIDENCIA

=> s l3 and l4  
L5 0 L3 AND L4

=> DIS HIST

(FILE 'HOME' ENTERED AT 14:19:03 ON 10 FEB 2003)

FILE 'REGISTRY' ENTERED AT 14:19:14 ON 10 FEB 2003

E OXOGLUTARAMATE/CN  
E HYDROXYOXOPROLINE/CN  
E 2-HYDROXY-5-OXOPROLINE/CN  
E OXOPROLINE/CN  
L1 2 S E39  
E GLUTARAMATE  
E OXOGLUTARAMATE  
L2 4 S E63

FILE 'CAPLUS, BIOSIS, USPATFULL, WPIDS, AGRICOLA' ENTERED AT 14:23:34 ON  
10 FEB 2003

FILE 'REGISTRY' ENTERED AT 14:24:30 ON 10 FEB 2003

E KETOGLUTARAMIC ACID/CN  
E KETOGLUTARAMIC ACID  
E KETOGLUTARAMATE/CN

FILE 'CAPLUS, BIOSIS, USPATFULL, WPIDS, AGRICOLA' ENTERED AT 14:26:06 ON  
10 FEB 2003

L3 603 S OXOPROLINE OR KETOGLUTARAMIC OR KETOGLUTARAMAT? OR OXOGLUTARA  
L4 35304 S PROTEUS OR PROVIDENCIA  
L5 0 S L3 AND L4

=>

=>  
Executing the logoff script...

=> LOG H

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	16.65	45.70

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 14:27:44 ON 10 FEB 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptaul84im

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'CAPLUS, BIOSIS, USPATFULL, WPIDS, AGRICOLA'  
AT 14:39:30 ON 10 FEB 2003  
FILE 'CAPLUS' ENTERED AT 14:39:30 ON 10 FEB 2003  
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)  
FILE 'BIOSIS' ENTERED AT 14:39:30 ON 10 FEB 2003  
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC.(R)  
FILE 'USPATFULL' ENTERED AT 14:39:30 ON 10 FEB 2003  
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)  
FILE 'WPIDS' ENTERED AT 14:39:30 ON 10 FEB 2003  
COPYRIGHT (C) 2003 THOMSON DERWENT  
FILE 'AGRICOLA' ENTERED AT 14:39:30 ON 10 FEB 2003

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	16.65	45.70

=> d his

(FILE 'HOME' ENTERED AT 14:19:03 ON 10 FEB 2003)

FILE 'REGISTRY' ENTERED AT 14:19:14 ON 10 FEB 2003

	E OXOGLUTARAMATE/CN
	E HYDROXYOXOPROLINE/CN
	E 2-HYDROXY-5-OXOPROLINE/CN
	E OXOPROLINE/CN
L1	2 S E39
	E GLUTARAMATE
	E OXOGLUTARAMATE
L2	4 S E63

=> DIS HIST

(FILE 'HOME' ENTERED AT 14:19:03 ON 10 FEB 2003)

FILE 'REGISTRY' ENTERED AT 14:19:14 ON 10 FEB 2003

E OXOGLUTARAMATE/CN  
E HYDROXYOXOPROLINE/CN  
E 2-HYDROXY-5-OXOPROLINE/CN  
E OXOPROLINE/CN

L1 2 S E39  
E GLUTARAMATE  
E OXOGLUTARAMATE  
L2 4 S E63

FILE 'CAPLUS, BIOSIS, USPATFULL, WPIDS, AGRICOLA' ENTERED AT 14:23:34 ON  
10 FEB 2003

FILE 'REGISTRY' ENTERED AT 14:24:30 ON 10 FEB 2003

E KETOGLUTARAMIC ACID/CN  
E KETOGLUTARAMIC ACID  
E KETOGLUTARAMATE/CN

FILE 'CAPLUS, BIOSIS, USPATFULL, WPIDS, AGRICOLA' ENTERED AT 14:26:06 ON  
10 FEB 2003

L3 603 S OXOPROLINE OR KETOGLUTARAMIC OR KETOGLUTARAMAT? OR OXOGLUTARA  
L4 35304 S PROTEUS OR PROVIDENCIA  
L5 0 S L3 AND L4  
L6 6064 S AMINO ACID OXIDASE?  
L7 153 S L4 AND L6  
L8 101138 S GLUTAMINE  
L9 57 S L7 AND L8  
L10 57 DUP REM L9 (0 DUPLICATES REMOVED)  
L11 34 S MYXOFACIENS  
L12 3 S L6 AND L11  
L13 2 DUP REM L12 (1 DUPLICATE REMOVED)

=>



> DIS HIST

(FILE 'HOME' ENTERED AT 14:19:03 ON 10 FEB 2003)

FILE 'REGISTRY' ENTERED AT 14:19:14 ON 10 FEB 2003

E OXOGLUTARAMATE/CN  
E HYDROXYOXOPROLINE/CN  
E 2-HYDROXY-5-OXOPROLINE/CN  
E OXOPROLINE/CN

L1 2 S E39  
E GLUTARAMATE  
E OXOGLUTARAMATE  
L2 4 S E63

FILE 'CAPLUS, BIOSIS, USPATFULL, WPIDS, AGRICOLA' ENTERED AT 14:23:34 ON  
10 FEB 2003

FILE 'REGISTRY' ENTERED AT 14:24:30 ON 10 FEB 2003

E KETOGLUTARAMIC ACID/CN  
E KETOGLUTARAMIC ACID  
E KETOGLUTARAMATE/CN

FILE 'CAPLUS, BIOSIS, USPATFULL, WPIDS, AGRICOLA' ENTERED AT 14:26:06 ON  
10 FEB 2003

L3 603 S OXOPROLINE OR KETOGLUTARAMIC OR KETOGLUTARAMAT? OR OXOGLUTARA  
L4 35304 S PROTEUS OR PROVIDENCIA  
L5 0 S L3 AND L4  
L6 6064 S AMINO ACID OXIDASE?  
L7 153 S L4 AND L6  
L8 101138 S GLUTAMINE  
L9 57 S L7 AND L8  
L10 57 DUP REM L9 (0 DUPLICATES REMOVED)  
L11 34 S MYXOFACIENS  
L12 3 S L6 AND L11  
L13 2 DUP REM L12 (1 DUPLICATE REMOVED)

=>

=>

=> DIS HIST

(FILE 'HOME' ENTERED AT 14:19:03 ON 10 FEB 2003)

FILE 'REGISTRY' ENTERED AT 14:19:14 ON 10 FEB 2003

E OXOGLUTARAMATE/CN  
E HYDROXYOXOPROLINE/CN  
E 2-HYDROXY-5-OXOPROLINE/CN  
E OXOPROLINE/CN

L1 2 S E39  
E GLUTARAMATE  
E OXOGLUTARAMATE  
L2 4 S E63

FILE 'CAPLUS, BIOSIS, USPATFULL, WPIDS, AGRICOLA' ENTERED AT 14:23:34 ON  
10 FEB 2003

FILE 'REGISTRY' ENTERED AT 14:24:30 ON 10 FEB 2003

E KETOGLUTARAMIC ACID/CN  
E KETOGLUTARAMIC ACID  
E KETOGLUTARAMATE/CN

FILE 'CAPLUS, BIOSIS, USPATFULL, WPIDS, AGRICOLA' ENTERED AT 14:26:06 ON  
10 FEB 2003

L3 603 S OXOPROLINE OR KETOGLUTARAMIC OR KETOGLUTARAMAT? OR OXOGLUTARA  
L4 35304 S PROTEUS OR PROVIDENCIA  
L5 0 S L3 AND L4  
L6 6064 S AMINO ACID OXIDASE?  
L7 153 S L4 AND L6  
L8 101138 S GLUTAMINE  
L9 57 S L7 AND L8  
L10 57 DUP REM L9 (0 DUPLICATES REMOVED)  
L11 34 S MYXOFACIENS  
L12 3 S L6 AND L11  
L13 2 DUP REM L12 (1 DUPLICATE REMOVED)  
L14 3290 S OXIDAT?(3A) DEAMINAT?  
L15 204 S L8 AND L14  
L16 2297673 S ENZYM?  
L17 147 S L15 AND L16  
L18 119 S L8 (P) L14  
L19 54 S L18 (P) L16  
L20 38 DUP REM L19 (16 DUPLICATES REMOVED)

=>